

### **IN THE CLAIMS**

Please amend the claims as follows.

For the Examiner's convenience, a list of all claims is included below.

1. (Currently Amended) A method comprising:  
using an optical storage drive to read a file from an optical storage medium, the optical storage drive having a plurality of drive speeds; ~~and~~  
determining a drive speed from the plurality of drive speeds based upon a format of the file by accessing a coded drive-speed lookup table containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and  
supplying the drive voltage to the optical storage drive to set the drive speed.
2. (Original) The method of claim 1, wherein the file has a format selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.
3. (Original) The method of claim 1, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.
4. (Cancelled)
5. (Previously presented) The method of claim 1 wherein the coded drive-speed lookup table is stored as firmware.

6. (Original) The method of claim 5, wherein the firmware is stored in a nonvolatile memory storage device.
7. (Currently Amended) A method comprising:
  - receiving to an optical storage device, a command to read a file from an optical storage medium, the command indicating a file type;
  - accessing a coded drive-speed lookup table, the coded drive-speed lookup table storing a plurality of drive-speeds, each drive-speed corresponding to at least one file type;
  - obtaining a coded drive-speed corresponding to the file type, the coded drive speed corresponding to a drive voltage; and
  - operating a drive of the optical storage device by supplying the drive voltage to the drive of the optical storage device to set the drive speed ~~at a speed indicated by the coded drive speed.~~
8. (Original) The method of claim 7, wherein the file type is selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.
9. (Original) The method of claim 7, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.
10. (Original) The method of claim 7, wherein the coded drive-speed lookup table is stored as firmware.
11. (Original) The method of claim 10, wherein the firmware is stored in a nonvolatile memory storage device.

12. (Currently Amended) A machine-readable medium that provides executable instructions which, if executed by a processor, will cause said processor to perform operations comprising:

reading a file from an optical storage medium using an optical storage drive, the optical storage drive having a plurality of drive speeds; ~~and~~

determining a drive speed from the plurality of drive speeds based upon a format of the file by accessing a coded drive-speed lookup table, containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and

supplying the drive voltage to the optical storage drive to set the drive speed.

13. (Original) The machine-readable medium of claim 12, wherein the format of the file is selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

14. (Original) The machine-readable medium of claim 12, wherein the plurality of drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

15. (Cancelled)

16. (Previously presented) The machine-readable medium of claim 12 wherein the coded drive-speed lookup table is stored as firmware.

17. (Original) The machine-readable medium of claim 16, wherein the firmware is stored in a nonvolatile memory storage device.

18. (Original) The machine-readable medium of claim 17, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.

19. (Currently Amended) An apparatus comprising:

an optical storage drive device driver to receive a command to read a file from an optical storage medium, the file having a file type;

a firmware having stored therein a plurality of coded drive-speeds, each coded drive-speed corresponding to at least one file type, each coded drive speed corresponding to a drive voltage;

a controller to access the firmware and obtain a coded drive-speed corresponding to the file type; and

a motor control hardware register to receive the coded drive-speed, the motor control hardware register limiting a drive voltage to a drive of the optical storage device to the drive voltage corresponding to the coded drive speed, such that the drive operates at a speed indicated by the coded drive-speed.

20. (Original) The apparatus of claim 19, wherein the file type is a type selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

21. (Original) The apparatus of claim 19, wherein the plurality of coded drive-speeds comprises 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

22. (Original) The apparatus of claim 19, wherein the firmware is stored in a nonvolatile memory storage device.
23. (Original) The apparatus of claim 22, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.
24. (Currently Amended) A system comprising:
- a processor;
  - an optical storage drive; and
  - a memory coupled to the processor, the memory having stored therein, executable instructions which, when executed by the processor, cause the processor to perform operations comprising,
    - determining a content of an optical storage medium currently inserted in the optical storage drive;
    - setting a drive speed of the optical storage drive based upon the content of the optical storage medium by accessing a coded drive-speed lookup table containing a plurality of coded drive speeds, each coded drive speed corresponding to a drive voltage; and
    - supplying the drive voltage to the optical storage drive to set the drive speed.
25. (Original) The system of claim 24, wherein the content of the optical storage medium has a format, the format selected from the group consisting of CD-DA, CD-ROM, CD-R, CD-RW, DVD-Video, DVD-ROM, and DVD-RAM.

26. (Original) The system of claim 24, wherein the drive speed is a speed selected from the group consisting of: 1X, 2X, 4X, 8X, 10X, 12X, 16X, 20X, 24X, 32X, 40X, and 52X.

27. (Cancelled)

28. (Previously presented) The system of claim 23, wherein the coded drive-speed lookup table is stored as firmware.

29. (Original) The system of claim 28, wherein the firmware is stored in a nonvolatile memory storage device.

30. (Original) The system of claim 29, wherein the nonvolatile memory storage device is selected from the group consisting of: a ROM, a PROM, an EPROM, an EEPROM, and flash memory.